T2-B

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Key Features

- Comfortable ergonomic design permits effortless, one-handed operation.
- Easy-to-read LCD to display custom buttons, text, graphics and scrolling lists.
- Digital matrix touchscreen never needs calibration.
- Tilt switch can automatically turn on the backlight when picked up.
- Extremely bright, backlit display and keypad.
- Three-way rocker switch for scrolling list navigation.
- Intuitive layout of keypad buttons for commonly used functions.
- Transmits IR and RF (or both -on a single button press!).
- Optional RF receiver allows you to transmit through walls, cabinets, etc.
- System includes a Lithium-Ion battery and docking station.
- Extremely wide IR transmitting frequency range.
- Optional 'Voltage' and 'Video' sensing modules to monitor power status of equipment when used with certain RTI processors.
- Capable of RS-232 control when used with certain RTI processors.
- Non-volatile Flash memory stores your system configuration even when power is not present.
- Field upgradable firmware.
- USB Programming.

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T2-B Universal Controller

The T2-B represents a recharged version of RTI's renowned, award winning T2+ remote control. Most notable is a new contemporary industrial design. The newest T2 maintains the original hybrid configuration of a touchscreen display and hard buttons, while adding many refinements to this amazing device. Battery life has been extended with the new 1200 mAh power source. The new display and backlight make the graphics extremely sharp and vivid. The revised layout of hard buttons improves convenient access to frequently used functions, such as DVR controls. The T2-B also features a new three way rocker switch allowing comfortable navigation of on screen guides and music lists. With its sophisticated new design the T2-B will complement the décor of any environment.

Description

The T2-B remains the ideal solution to control today's media room, embodied with the perfect balance of a customizable touchscreen display and hard buttons for tactile control. When other RTI devices are employed, the T2-B is capable of RF transmission thru walls and cabinets, RS-232 control, contact closures, power sensing and much more. Whether used as a standalone device or integrated into a complete RTI control solution, the T2-B will provide powerful and intuitive control of any electronics system - from simple to sophisticated.

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Specifications

Power..... 3.6 VDC, 1200 mAh Lithium-Ion Battery Pack
Power Management.....Automatic On/Off (tilt switch)
Infrared Control Range.....30 feet (9.1 meters) @ 60 degrees
Infrared Frequency Transmission Range..... 15kHz - 460kHz
Radio Frequency Control Range.....Up to 100 feet (30.5 meters)
.....(with optional System Interfaces/Processors)
Radio Frequency Carrier.....433 MHz
Operating Temperature.....+32°F to +122°F (0°C to +50°C)
Operating Humidity..... 5% to 95% Non-condensing
Touch Panel Display..... High-contrast STN LCD Digital Matrix
.....64w x 128h pixels (Touchscreen never needs calibrating)
Display Size (H x W)..... 2.4 in x 1.3 in (61mm x 33mm)
Backlights..... White LED (Display), Blue/White/Red LED (Keypad)
Nominal Run Time on Full Charge..... 6 hours minimum, continuous use
.....(10 to 15 days on average use)
Standby Time on Full Charge.....30 Days
Battery Charge Time..... 3-4 Hours
Total System Memory.....256K Bytes Flash (non-volatile) memory
Device Capability.....Total number of devices is limited only by memory
Macro Capability..... Unlimited steps in a single macro
..... Total number of macros is limited only by memory
..... Macro capability on every button
Communications.....USB programming port
Dimensions (L x W x D)..... 9.75" (248mm) x 2.5" (64mm) x 1.0" (25mm)
Enclosure.....High-impact molded ABS plastic
Weight.....8.5 oz. (243g) with battery pack
Warranty.....One Year (Parts & Labor) / 90 days on the battery

All specifications subject to change without notice

Accessories

RP-1	**Remote Control Processor**
ZRP-6	**Remote Control Processor**
MRP-64	**Multi-Room Control Processor**
XP-8	**Advanced Control Processor**
RM-433	**RF Receiver**
RCM-12	**Relay Control Module**
ECB-5	**IR Emitter Connecting Block**
CM-232	**RS-232 Communication Module**
VPS-1	**Voltage Power Sensor**
SPS-1	**Video Sync Power Sensor**

Other RTI Products

T1-B	**Universal System Controller**
M2	**Universal System Controller**
T2-Cs	**Universal System Controller**
T2-C	**Universal System Controller**
T3-V	**Universal System Controller**
T4	**Universal System Controller**
U1	**Weather Resistant Controller**
U2	**Weather Resistant Controller**
RKM-1	**In-Wall Multi-Room Audio Keypad**
RK1	**In-Wall Keypad Controller**
RK2	**In-Wall Touchscreen Controller**
RK3	**In-Wall Touchscreen Controller**
K4	**In-Wall Touchscreen Controller**
IR-PRO	**Infrared Capture System**

Integration Designer® Programming Software

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RP-1

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RP-1 Remote Control Processor

RTI's RP-1 is a low-cost programmable control system that is designed to automate the operation of audio/video and other electronic systems. It combines many of the capabilities of RTI's RP-6 Remote Control Processor with an integrated RF receiver – all in one small, cost-effective package. The RP-1 is the perfect control system for single room installations such as home theaters, media centers, and bedrooms.

Key Features

- Stores all system commands and macros for reliable control.
- Integrated RF receiver.
- High-output infrared port.
- Power sensing input for monitoring equipment status.
- Works with all RTI wireless remotes.
- IR output port incorporates both short-circuit and overload protection.
- RF signal reception LED.
- Seamless programming using Integration Designer® software.
- Field upgradable firmware.
- Non-volatile Flash memory stores your system configuration even when power is not present.
- USB Programming.
- Includes ECB-5 IR Connecting Block.

Description

The RP-1 Remote Control Processor is a powerful central controller that is designed for seamless integration with RTI's family of universal remote controls. Unlike simple IR-to-RF converters, the RP-1 stores all system commands and macros where they should be – within a central processor. The RP-1 is a single box solution, receiving RF trigger codes from RTI remotes via the integrated receiver.

The RP-1 Remote Control Processor provides a truly reliable, cost-effective control processor in a small package. It can be combined with any RTI remote control to form a robust control system for almost any home A/V configuration. The RP-1 even comes equipped with a power sensing port to ensure that your system's operation is always reliable and predictable.

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Specifications

Power Supply.....+12V DC, 1A

Number of Output Ports..... One (1) High Power IR Port

IR Output Drive.....200mA maximum

Infrared Transmission Bandwidth ..... 15kHz - 460kHz

RF Receiver Carrier Frequency.....433 MHz

Power Sense Input .....Off = 0VDC - 2VDC; On = 3VDC - 20VDC

Mounting.....Wall-mount or free standing

Dimensions (W x H x D) .....5.5" (140mm) x 3.3" (84mm) x 1.4" (36mm)

.....(width dimension does not include antenna or connectors)

Weight .....7.0 oz. (198g)

Warranty ..... One Year (Parts & Labor)

All specifications subject to change without notice

ECB-5 Connecting Block
included with kit

Other RTI Products

T1-B	**Universal System Controller**
M2	**Universal System Controller**
T2-B	**Universal System Controller**
T2-Cs	**Universal System Controller**
T2-C	**Universal System Controller**
T3-V	**Universal System Controller**
T4	**Universal System Controller**
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U2	**Weather Resistant Controller**
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RK1	**In-Wall Keypad Controller**
RK2	**In-Wall Touchscreen Controller**
RK3	**In-Wall Touchscreen Controller**
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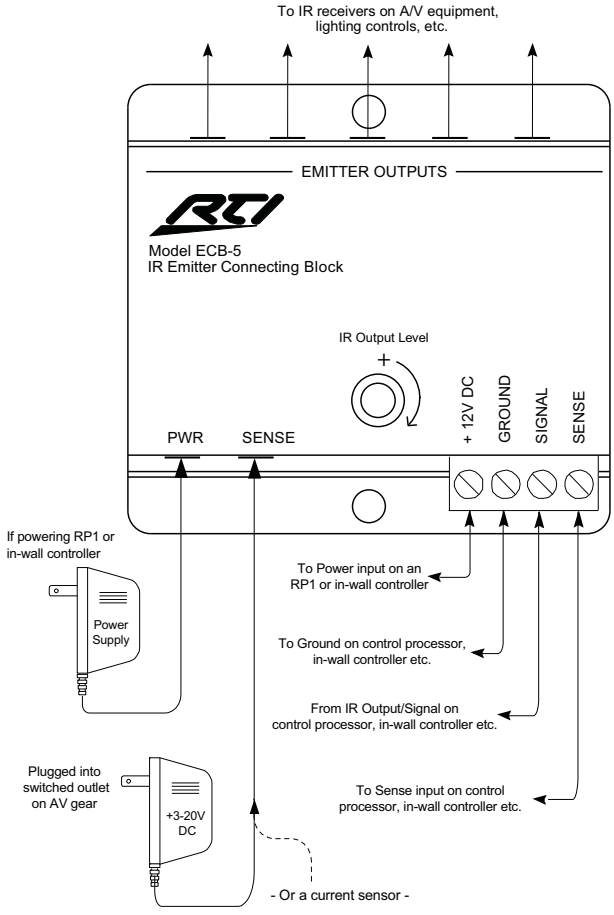
ECB-5
IR Emitter Connecting Block

The ECB-5 IR Emitter Connecting Block provides infrared expansion when used with RTI control processors, in-wall controllers, CB-4/CB-8 touchpanel connecting blocks, third party infrared repeater systems, etc. It has one infrared signal input and five output ports that allow the connection of up to five single or dual infrared emitters. It also has a sense input for monitoring the power status of a switched outlet, current sensor, light sensor, etc.


To IR receivers on A/V equipment, lighting controls, etc.
EMITTER OUTPUTS
Model ECB-5
IR Emitter Connecting Block
IR Output Level
PWR
SENSE
+ 12V DC
GROUND
SIGNAL
SENSE
If powering RP1 or in-wall controller
Power Supply
To Power input on an RP1 or in-wall controller
To Ground on control processor, in-wall controller etc.
From IR Output/Signal on control processor, in-wall controller etc.
To Sense input on control processor, in-wall controller etc.
Plugged into switched outlet on AV gear
+3-20V DC
- Or a current sensor -

Key Features

- Compatible with most industry standard single or dual IR emitters
- Emitter outputs have an adjustable 50ohm-1Kohm series resistance for setting the signal strength.
- Five IR emitter ouput ports.
- Convenient built-in power sense input allows pass-through of voltage from a wall transformer or current sensor to an RP-1, CB-4/CB-8 or in-wall controller for power status.
- Power input allows easy delivery of power from the ECB-5 to an RP-1 or in-wall controller that does not have an AC wall outlet near by.
- Sturdy steel construction.
- A power supply is NOT required for the ECB-5 to function. The power connection is only for supplying power to control processors, in-wall controllers, etc.

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